

C. SPECIFICATION

A substitute page 26 is submitted. The Flow Chart on page 14 is deleted. The Flow Chart is submitted as Figure 1. Numerous deficiencies in the Specification have been pointed out in the Action. These deficiencies have been corrected and an entire new Substitute Specification is submitted. No. new matter is added. A marked-up copy showing the amendments is filed.

D. IN THE CLAIMS

Cancel claims 3, 5, 7 and 10. Add new claims 31-40.

1. (Amended) A method for genetic transformation of a plant reproducing sexually, said method comprising of a pollination-fecundation process and comprising the steps of:
  - (a) preparing a silicon carbide fiber solution;
  - (b) preparing a pollen germination medium;
  - (c) preparing a DNA solution;
  - (d) mixing said silicon carbide fibers with pollen germination medium and said DNA solution to form a mixture;
  - (e) adding fresh pollen into said mixture to form a paste;
  - (f) vortexing said paste for 30 to 60 seconds;